

我国西藏高等真菌数新种*

■ 穆

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1. 棱紫盘菌 新种 (图版: 1—3)

Acetabula purpurea Zang sp. nov.

子囊盘直径4.5—6.2厘米, 初近球形, 后平展呈盘状, 不甚规则, 菌肉微粘, 外层表面紫色。柄高2厘米, 粗1厘米, 具洼痕和棱纹, 褐紫色。子实层紫褐色或红褐色, 光滑。子囊80—97×8—9.2微米, 圆柱形—棒形, 顶端钝圆, 基部渐狭而变细, 具8枚孢子, 顶端具囊盖。子囊孢子8.7—10×4.5—5微米, 单列, 透明, 椭圆形, 光滑, 具1—2个油滴, 隔丝阔1.2—2微米, 顶端粗2.5—3.5微米, 纤细而具隔。单一或双叉分。下盘层紫褐色, 菌丝粗2.5—6.5微米, 具横隔, 叉分, 互相交织, 外缘部菌丝呈平行排列。

西藏: 察隅县, 下察隅, 亚热带雨林下落叶层和倒木基干处。1. K. 1976, 臧穆670 (模式! 标本存昆明植物研究所标本室[HKAS:5670]); 下察隅, 松冷村, 林下, 3. K. 1976 臧穆311(3), 云南松 *Pinus yunnanensis* Fr. 林下(HKAS:5311)

Acetabula purpurea Zang sp. nov. (Plate I :1-3)

Apothecia ad 4.5–6.2 cm diam., primo subglobosa, ad maturitatem scutellata, unregularia, carnos-viscidula, superficie purpurea. Stipites 2 cm longi, 1 cm crassi, lacunosi costatique, brunneo-purpurei. Hymenium purpureo-brunneum vel rubro-brunneum, laeve. Asci 80–97 × 8–9.2 μm., octospori, cylindraco-clavati, apice obtusi, subtus angustati ad basin abrupte crassi, operculo apicali. Ascospores 8.7–10 μm. Uniseriatae, hyalinae, ellipsoideae, laeves, 1–2 guttatae. Paraphyses infra ad 1.5–2 μm supra ad 2.5–3.5 μm latae, graciles, septatae, simplices vel furcatae. Hypothecium purpureo-brunneum. Hyphae ad 2.5–6.8 μm latae, septatae, furcatae, intertextes sed versus marginem paralleles.

Hab.: Ad terram in silvis, in Pinetis yunnanensis Fr. alt. 1900–2000 m.

Xizang (Tibet): Zayu. 1. IX. 1976. Zang Mu 670 (Typus!) (HKAS:5670); Zayu, Song Leng. 3. IX. 1976. Zang Mu 731 (3) (HKAS:5731)

本种近似长棱柄盘菌 *Acetabula macropus* (Clem.) Sacc. 唯菌体紫色, 柄短, 子

* 本文承王师鸣歧、吴师征德审阅, 特此致谢。

1979年8月10日收到

囊孢子较小 ($8.7-10 \times 4.6-5$ 微米)。

2. 亮耳菌 新种 (图版: 12—15)

Lampteromyces luminescens Zang sp. nov.

菌盖阔 5—9 厘米, 扇形, 肾形或贝壳形, 初期白色, 后期呈淡紫色, 光滑, 扁平, 伤后立变蓝色。柄短, 侧生, 3—5 毫米长, 5—6 毫米阔, 等粗, 基部增大。褶片贴生或延生, 白色, 褶缘有裂齿。褶髓菌丝排列规则, 弯曲或直伸。担孢子 12—14 微米, 圆形, 有斑点。担子 $25-35 \times 10-13$ 微米。侧生囊状体未见。褶缘囊状体 $40-50 \times 15-18$ 微米, 腹鼓状或圆柱状。无异味。夜间发光。

西藏: 察隅县, 下察隅, 亚热带雨林下, 生于枯倒木上。1. IX. 1976. 臧穆 675. (模式! 标本存昆明植物研究所标本室 [HKAS: 5675])。

Lampteromyces luminescens Zang sp. nov.

Pileus 5–9 cm latus, flabelliformis, reniformis vel conchiformis, albus demum pallido-purpureus, glaber, planus post fractu celeriter cyanescens, sessilis. Stipes brevis lateralis, 3–5 mm longus, 5–6 mm crassus. aequalis vel ad basim leviter incrassatus. Lamellae adnatae vel decurrentes, albidae, serratae, trama lamellarum regulari, ex hyphis subflexuosis vel strictis. Basidiosporae 12–14 μm . globosae, punctatae. Basidia 25–35 \times 10–13 μm . Pleurocystidia desunt. Cheilocystidia 40–50 \times 15–18 μm . ventricosa vel cylindrica. Odor nullus. Nocte luminescens.

Hab. In ligno carioso.

Xizang (Tibet), Zayu. 1. IX. 1976. Zang Mu 675 (Typus!) (HKAS: 5675)

本种近似日本亮耳菌 *Lampteromyces japonicus* (Kawamura) Sing. 但担孢子外壁较粗糙, 且现知本菌仅见于西藏东南部。

3. 大孢皮伞菌 新种 (图版: 4—7)

Marasmius macrosporus Zang sp. nov.

菌盖阔 2.5—3.2 厘米, 干燥, 扁平或平凹, 具脐状顶部, 有放射状沟纹, 膜质, 盖肉薄。初呈黄色, 后呈白色或象牙白色。褶片狭而薄, 离生, 白色。柄长 3—6 厘米, 粗 0.1—0.15 厘米, 中央生, 白色或象牙白色, 等粗或基部扩大, 形成垫座状, 象牙白或褐黄色。担孢子 $20-24 \times 16-18$ 微米, 透明, 近卵圆形、圆形。担子 $22-25 \times 5-7$ 微米, 棒状。担子具 4 孢子。盖面囊状体泡囊状, 顶端有颗粒状突起。子实层的囊状体未见。

西藏: 察隅县, 下察隅, 生于海拔 1900 米, 阔叶林下的栎属 *Quercus* 落叶上。1. IX. 1976. 臧穆 686 (模式! 标本存昆明植物研究所标本室 [HKAS: 5686])。

Marasmius macrosporus Zang sp. nov. (Plate I: 4–7)

Pileus 2.5–3.2 cm latus, siccus, planus vel depressus, umbonatus, radiato-

sulcatus, membranaceus, tenuis, primo flavidus, demum albus vel eburneus. Lamellae angustae tenuesque, liberae, albae. Stipes 3-6 cm longus, 0.1-0.15 cm crassus, centralis, albus vel eburneus, aequalis vel ad basim incrassatus. mycelium basaliter pulvinatum, eburneum vel fulvum. Basidiosporae $20-24 \times 16-18 \mu\text{m}$. hyalinae, obovatae et rotundae. Basidia $22-25 \times 5-7 \mu\text{m}$. Clavata. 4-spora. Pileocystidia vesiculosa, superficiale granulata. Cystidia hymenii nulla.

Hab.: In sylvis humidis praecipue quercinis, supra folia coacervata putrida Quercus.

Xizang (Tibet), Zayu, 1. IX. 1976. Zang Mu 686 (Typus!) (HKAS:5686)

本种近似红斑皮伞菌 *Marasmius sanguinolenta* (Fr.) Quél. 但本种菌盖有放射状沟纹, 且担孢子较大 ($20-24 \times 16-18$ 微米)。

4. 西藏皮伞菌 新种 (图版:8-11)

Marasmius tibeticus Zang sp. nov.

菌盖阔 6-9 厘米, 中凸而周扁平, 湿润或微粘, 光滑或具暗而细的条纹, 粘膜质, 初期白色, 后转灰褐色。褶片狭而薄, 阔 1.5-1.9 毫米, 贴生或远离生, 象牙白色。柄 7-10 厘米长, 0.3-0.4 厘米阔, 等粗而中空, 中生, 上端白色。基部褐色或黑褐色, 菌索白色。担孢子透明, $5-6.5 \times 3.5-4.5$ 微米, 狭卵形, 阔卵形或近卵形。侧生囊状体 $25-36 \times 9-14$ 微米, 腹鼓状, 圆柱状, 头状, 具疣和瘤状突起。盖面囊状体圆柱状或棒状, $10-48 \times 4-8$ 微米, 有棘状突, 薄而透明, 且多异形。

西藏: 察隅县, 下察隅, 生于潮湿林下栎树腐木上。1. IX. 1976. 臧穆 647 (模式! 标本存昆明植物研究所标本室 [HKAS:5647])。

Marasmius tibeticus Zang sp. nov. (Plate I:8-11)

Pileus 6-9 cm latus, centrice convexo planus, humidus vel viscidulus, laevis vel obscure ruguloso-striatus, viscidulo-membranaceus, albus demum pallide brunneus. Lamellae angustae tenuesque ad 1.5-1.9 mm latae, adnatae vel remotae, eburneae. Stipes 7-10 cm longus, 0.3-0.4 cm crassus, cavus, aequalis, centralis, apice albidus, basi brunneus vel atrobrunneus. Rhizomorphae albae. Basidiosporae hyalinae, $5-6.5 \times 3.5-4.5 \mu\text{m}$. anguste vel late ellipticae vel obovatae. Pleurocystidia $25-36 \times 9-11 \mu\text{m}$. ventricosa, cylindrica vel capitata. verrucosa, tuberculosa. Pileocystidia cylindrica vel clavata, echinidiis $10-48 \times 4-8 \mu\text{m}$. Cum projecturis hyalinis subtiliter et indistincte divisus.

Hab.: In sylvis humidis, in cortice et ligno putrido Quercus.

Xizang (Tibet), Zayu, 1. IX. 1976. Zang Mu 647 (Typus), (HKAS:5647)

本种近似盗瓣皮伞菌 *Marasmius galericulata* (Fr.) Quél. 但侧生囊状体具短粗瘤突起, 且菌盖较大, 其盖径一般大于 6 厘米。

SOME NEW SPECIES OF HIGHER FUNGI FROM XIZANG (TIBET) OF CHINA

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ABSTRACT

The present paper deals with 4 new species of higher fungi which were collected in Xizang (Tibet). These new taxa are:

1. *Acetabula purpurea* Zang. (Pezizaceae)

The species is closely related to *Acetabula macropus* (Clem.) Sacc., but may be distinguished from the latter by its purple ascocarp, shorter stipe and smaller ascospores ($8.7-10 \times 4.5-5 \mu\text{m}$.)

2. *Lampteromyces luminatus* Zang (Pleurotaceae)

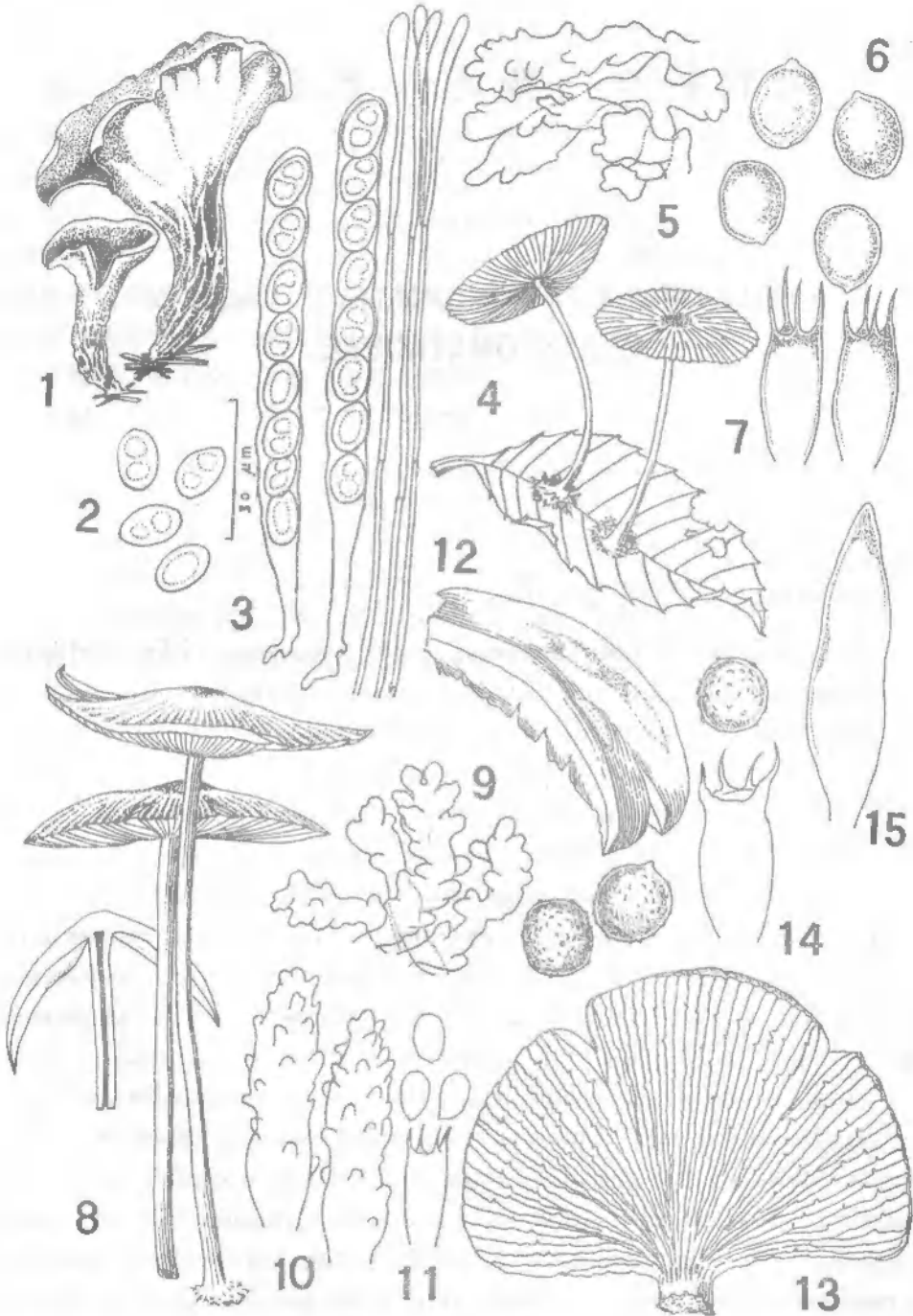
This species is found in subtropical forests, its current distribution is limited along the southeastern region of Tibet only. This species does superficially resemble *Lampteromyces japonicus* (Kawamura) Sing. but the rough basidiospores are distinguished.

3. *Marasmius macrosporus* Zang (Tricholomataceae)

This species is remarkable for its radical furrowed pileus and larger basidiospores ($20-24 \times 16-18 \mu\text{m}$). Which distinguish it immediately from the species *Marasmius sanguinolenta* (Fr.) Quél.

4. *Marasmius tibeticus* Zang (Tricholomataceae)

The species is close to *Marasmius galericulata* (Fr.) Quél. But is distinguished by its larger pileus, that often more than 6 cm in diameter, and the pileocystidia with sturdy and short process.



紫椽盘菌 *Acetabula purpurea* Zang 1.外形(原大), 2.子囊孢子, 3.子囊和隔丝

大孢皮伞菌 *Marasmius macrosporus* Zang 4.外形(原大), 5.盖面囊状体, 6.担孢子, 7.担子

西藏皮伞菌 *Marasmius tibeticus* Zang 8.外形(原大), 9.盖面囊状体, 10.侧囊状体, 11.担孢子和担子

亮耳菌 *Lampteromyces luminatus* Zang 12.外形(部分菌盖原大之 $\times 2/3$), 13.外形(示菌褶部分原大之 $\times 2/3$), 14.担孢子和担子, 15.褶缘囊状体。